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Claims

1. A method for distributing IN services between mobile networks, comprising the steps of:

a)   providing a service trader function in at least one of said mobile networks, said service trader function providing a location information of distributed IN services;

b)   checking said service trader function, when a location update procedure is performed; and

c)   updating a service trigger information in accordance with the checking result.

2. A method according to claim 1, wherein said service trader function is provided at least in the home network of a mobile subscriber.

3. A method according to claim 1 or 2, wherein said service trader function provides an information about networks and service control points to which IN services have been downloaded.

4. A method according to any one of the preceding claims, wherein said service trigger information is a CAMEL subscriber information.

5. A method according to claim 4, wherein said location information provided by said service trader function comprises at least a gsmSCF address and a service key.

6. A method according to any one of the preceding claims, wherein said trader function comprises a function for

searching an IN service on the basis of a subscriber language and/or service attributes.

7.   A method according to any of the preceding claims, further comprising the step of performing a rerouting to an actual location of said IN service, when said IN service is not available at the location indicated by said location information.

8.   A method according to claim 7, wherein said rerouting is performed by said service trader function.

9.   A method according to claim 7, wherein said rerouting is performed by a service controller of said mobile network.

10.   A method according to claim 9, wherein said service controller is the CSE of the GSM.

11.   A method for distributing IN services to a mobile network, comprising the steps of:
a)   providing a service trader function in said mobile network, said service trader function providing a location information of distributed IN services;
b)   checking said service trader function, as to the location of an IN service, when said IN service is triggered; and
c)   sending the IN service invocation to the location of said IN service.

12.   A method according to claim 11, wherein said IN
service is downloaded from said location of said IN
service.

5   13.   A method according to claim 11 or 12, wherein said
checking step is performed in a mobile switching center
(MSC).

14.   A method according to any one of claims 11 to 13,
10   wherein said service trader function (STF) is arranged to
obtain a service controller address of an IN service in a
visited network based on a home service controller address
of said IN service, when said IN service is downloaded from
the home network to said visited network.

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15.   A method according to any one of claims 11 to 13,
wherein said service trader function provides a function
for selecting a voice service information.

20   16.   A system for distributing IN services to a mobile
network, comprising:
      a)   service trader means (STF) for providing a location
information of distributed IN services; and
      b)   location register means (HLR) for checking said
25   service trader means (STF) in response to a location update
procedure;
      c)   wherein said location register means (HLR) is arranged
to update a service trigger information in accordance with
the checking result.

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17. A system according to claim 16, wherein said location register means is a home location register **(HLR)** of said mobile network.

5   18. A system according to claim 17, wherein a trigger information obtained from said home location register **(HLR)** comprises an information element indicating a home network resident part of said IN service.

10 19. A system according to claim 18, wherein said information element is provided by said trader means **(STF)**.

20. A system according to claim 18 or 19, wherein said information element is stored in said home location
15 register **(HLR)**.

21. A system according to any one of claims 18 to 20, wherein said information element is a transparent data block only interpretable by a service logic of said IN
20 service of a visited network.

22. A system according to any one of claims 18 to 20, wherein said information element comprises an address and a service key which identifies a service logic of said IN
25 service in the home network.

23. A system according to claim 16, wherein said location register means is a visitor location register **(VLR)** of said mobile network.

30 24. A system according to any one of claims 16 to 23, wherein said service trader means **(STF)** is arranged in the

home network of a mobile subscriber to which an IN service is to be provided.

25. A system according to any one of claims 16 to 24,
5   wherein said update service trigger information comprises an address information of a service controller to be contacted in case said IN service is not available at the location indicated by said checking result.

10   26. A system for distributing IN services to a mobile network, comprising:

a)   service trader means **(STF)** for providing a location information of distributed IN services; and

b)   a mobile switching means **(MSC)** for checking said
15   service trader means **(STF)** as to the location of an IN service, when said IN service is triggered;

c)   wherein said mobile switching means **(MSC)** is arranged to perform downloading of the said IN service in accordance with the checking result.

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27. A system according to claim 26, wherein said service trader means (STF) is arranged to obtain a service controller address of an IN service in a visited network from a service controller of said visited network based on
25   a home service controller address of said IN service, when said IN service is downloaded from the home network to said visited network.

28. A system according to claim 27, wherein said service
30   trader means **(STF)** forwards a trigger information to said service controller of said visited network in response to said checking by said mobile switching means **(MSC)**.

29. A system according to any one of claims 26 to 28, wherein said service trader means (STF) is arranged as a separate network element.

30. A network element (STF) for a mobile network, comprising:
a)   receiving means for receiving a checking request for an IN service; and
b)   service trader means for providing an identification information of said IN service in response to said checking request.

31. A network element according to claim 30, wherein said IN service is a voice and/or announcement service, and said identification information is an address of said voice and/or announcement service.

32. A network element according to claim 31, wherein said voice and or announcement service is identified by using an application identifier or by describing an attribute.

33. A network element according to claim 31 or 32, wherein said checking request is received from a CSE of the GSM.

34. A service controller comprising:
a)   receiving means for receiving a service invocation from a service trader means (STF); and
b)   means for performing an enquiry to a service means providing the invocated service, in response to said service invocation.

35. A service controller according to claim 34, wherein said service controller is a CSE of a home network and the service means is a CSE of a visited network.

36. A service controller according to claim 34 or 35, wherein said service invocation is an Initial Detection Point message.